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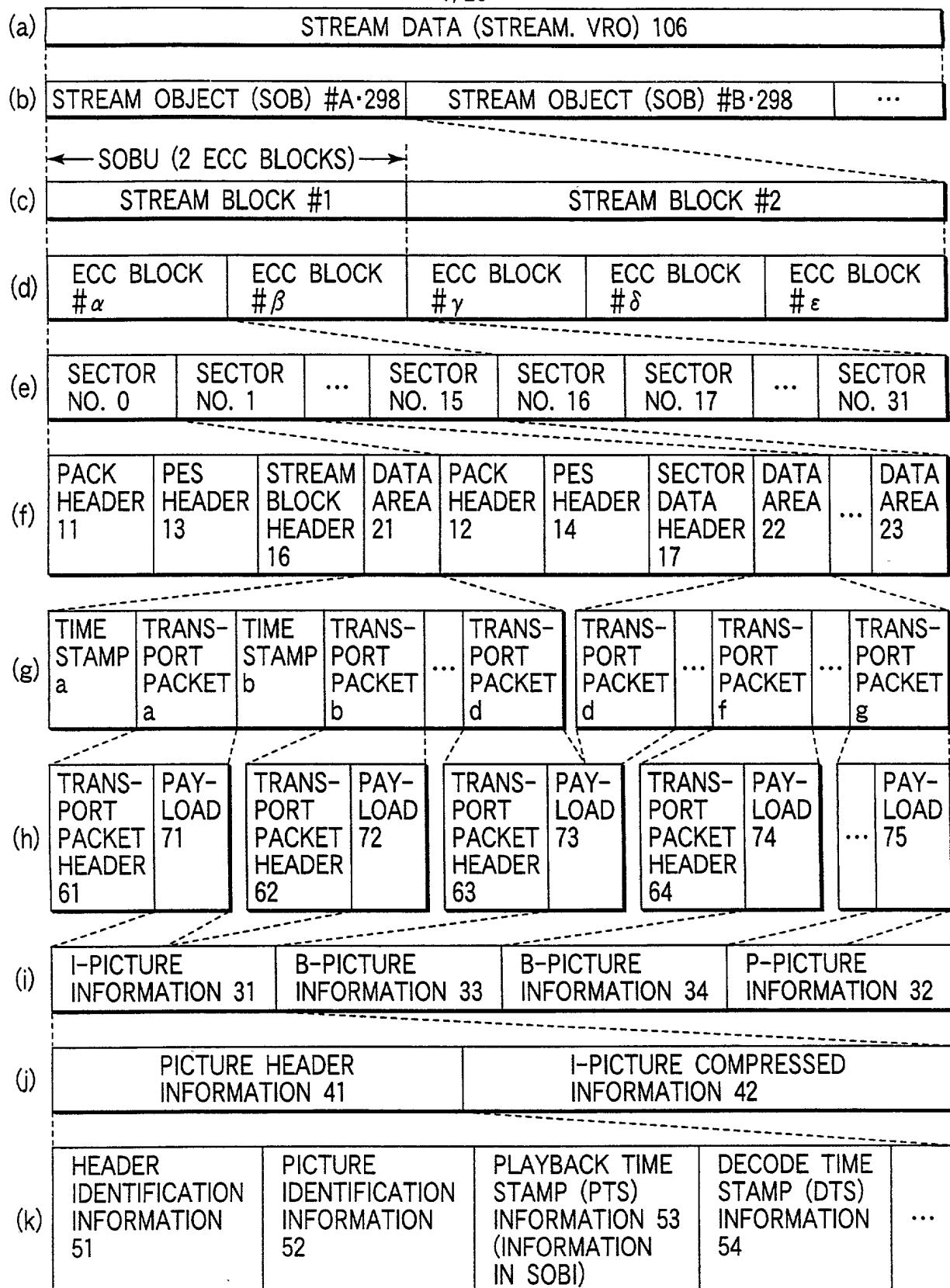


FIG. 1

ROOT DIRECTORY 100

SUBDIRECTORY 101

DVD_RTR DIRECTORY (DVD_RTAV) 102

DATA FILE 103

RTR. IFO (VR_MANGR. IFO; NAVIGATION DATA) 104

STREAM. IFO (SR_MANGR. IFO/SR_MANGR.BUP)
(NAVIGATION DATA) 105

SR_PRIVT. DAT/SR_PRIVT. BUP (NAVIGATION DATA UNIQUE TO
APPLICATION) 105a

STREAM. VRO (SR_TRANS. SRO)
(STREAM DATA) 106

RTR_MOV. VRO (VR_MOVIE. VRO; MOVIE REAL-TIME VIDEO
OBJECT) 107

RTR_STO. VRO (VR_STILL. VRO; STILL PICTURE REAL-TIME
VIDEO OBJECT) 108

RTR_STA. VRO (VR_AUDIO. VRO; AUDIO OBJECT OF
POSTRECORDED AUDIO, ETC.) 109

SUBDIRECTORY 110

VIDEO_TS (VIDEO TITLE SET) 111

AUDIO_TS (AUDIO TITLE SET) 112

SUBDIRECTORY FOR SAVING COMPUTER DATA 113

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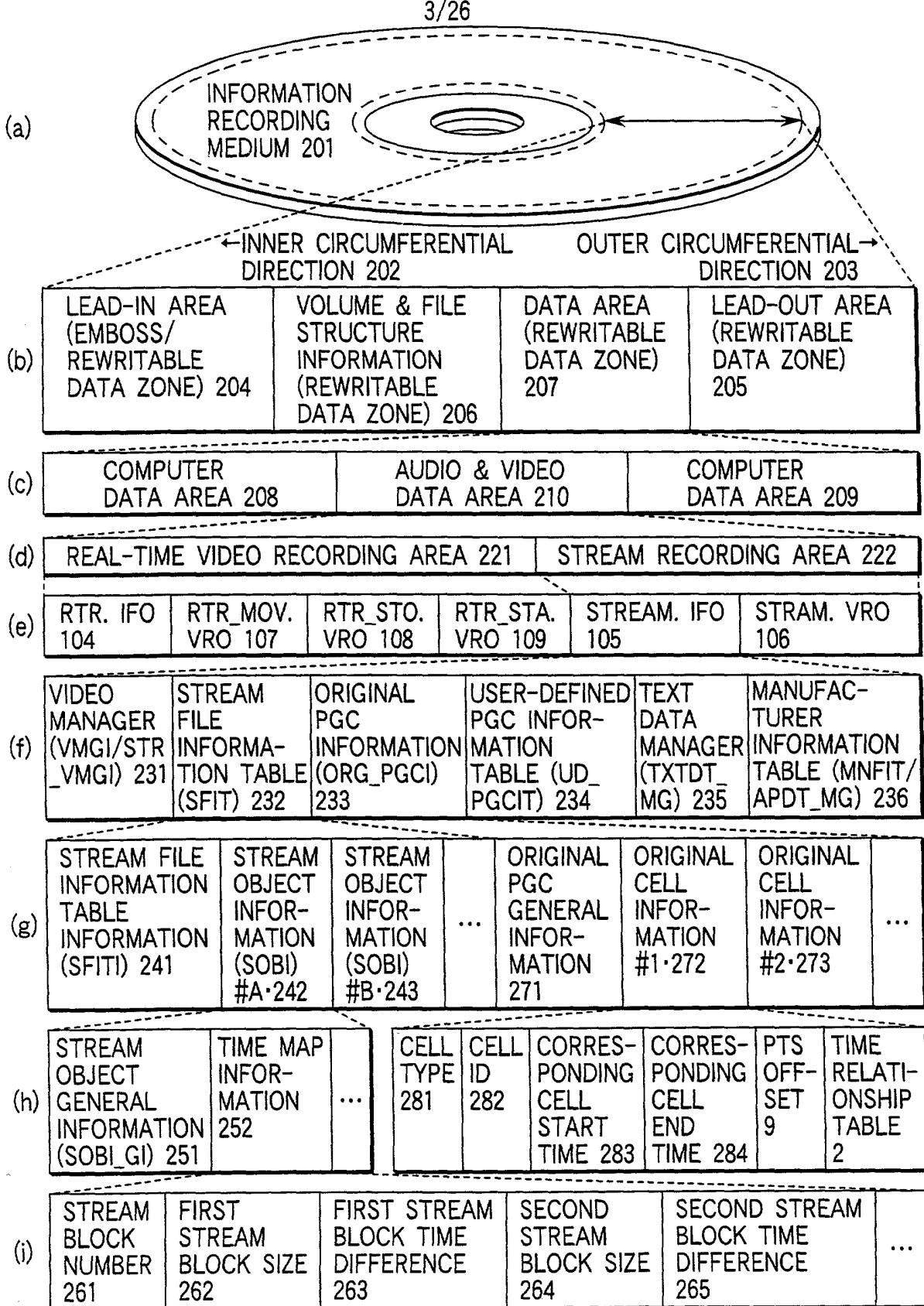


FIG. 3

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2 ECC BLOCKS (32 SECTORS) =
 1 STREAM OBJECT UNIT (SOBU)

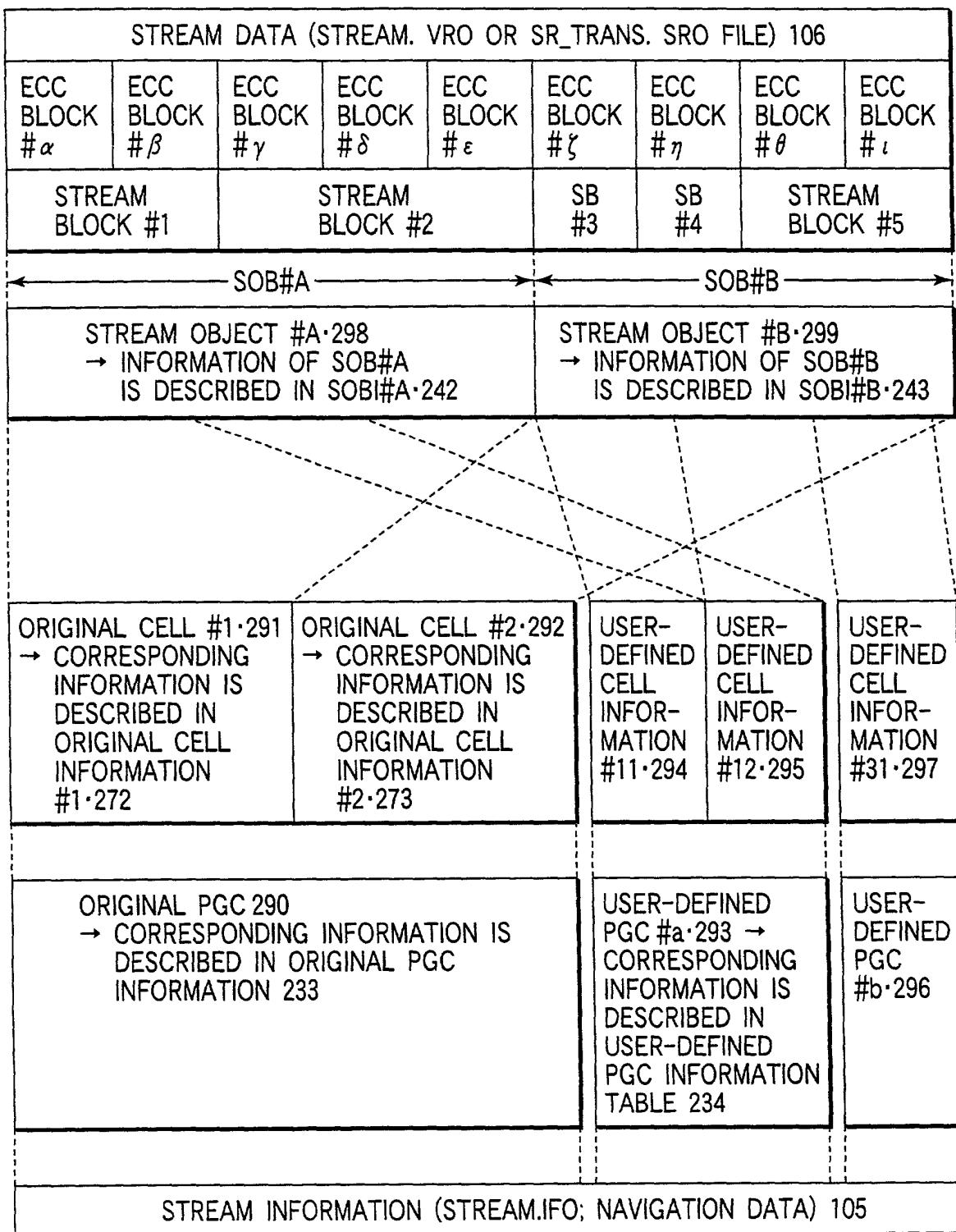


FIG. 4

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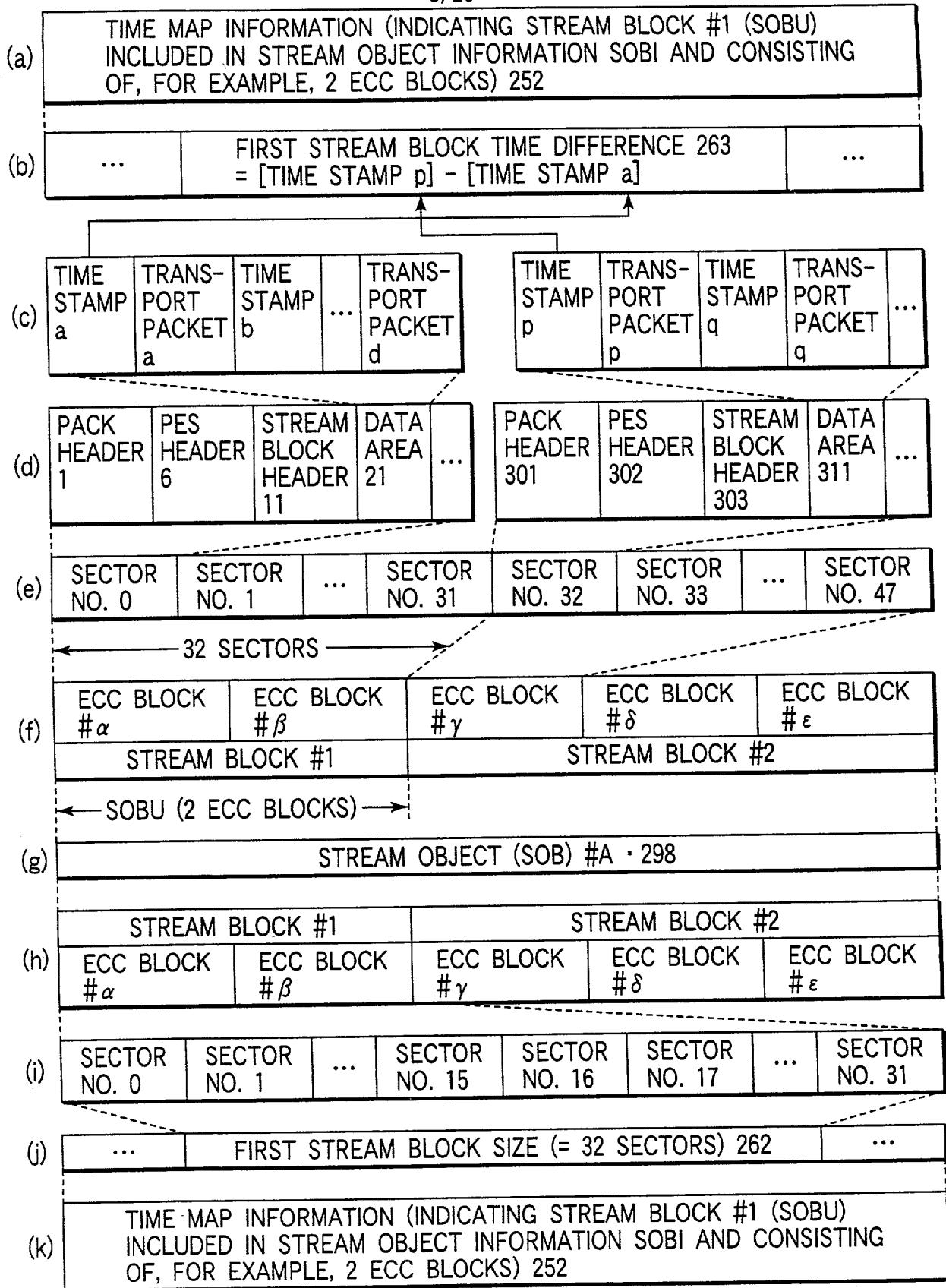


FIG. 5

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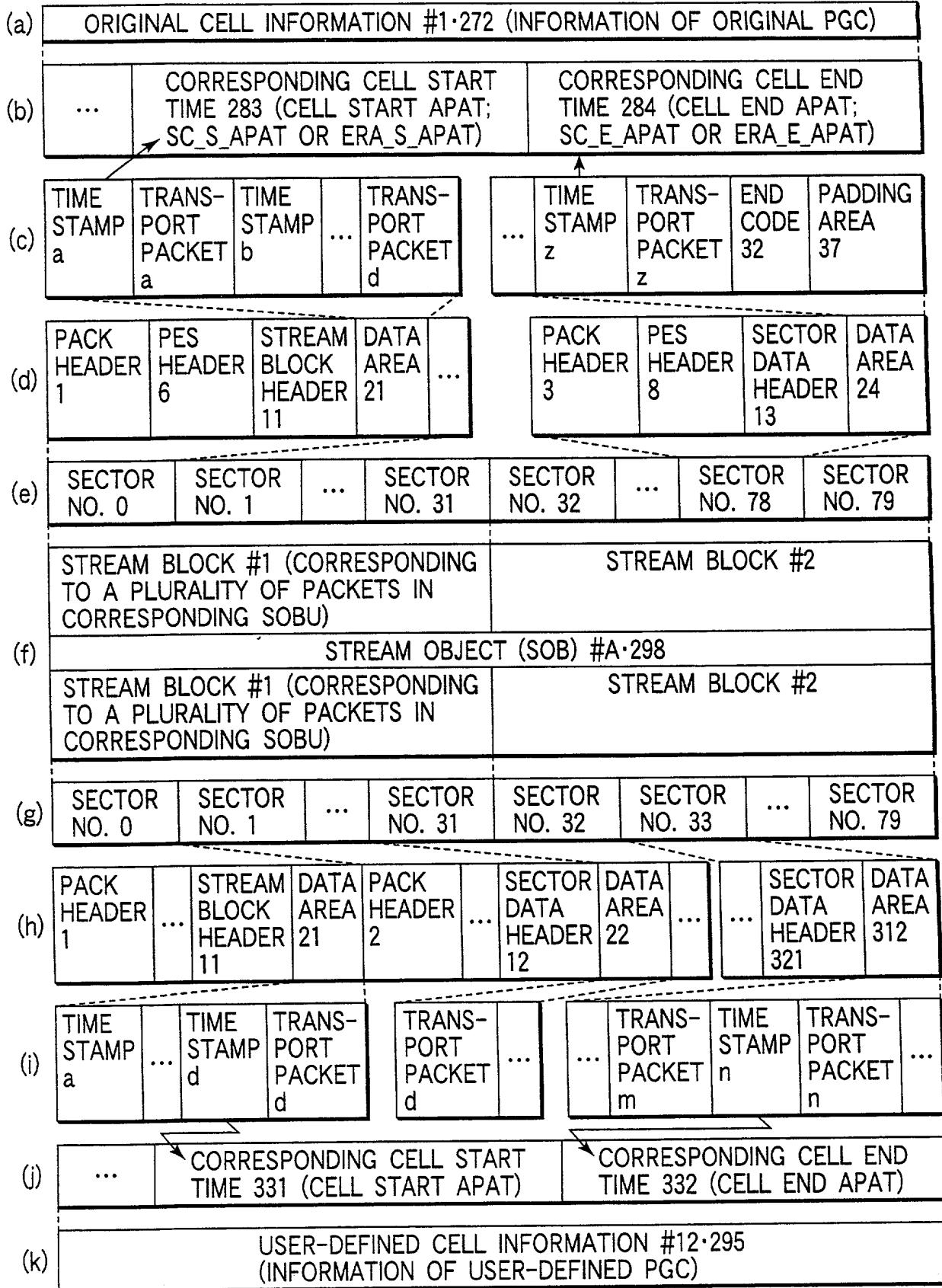


FIG. 6

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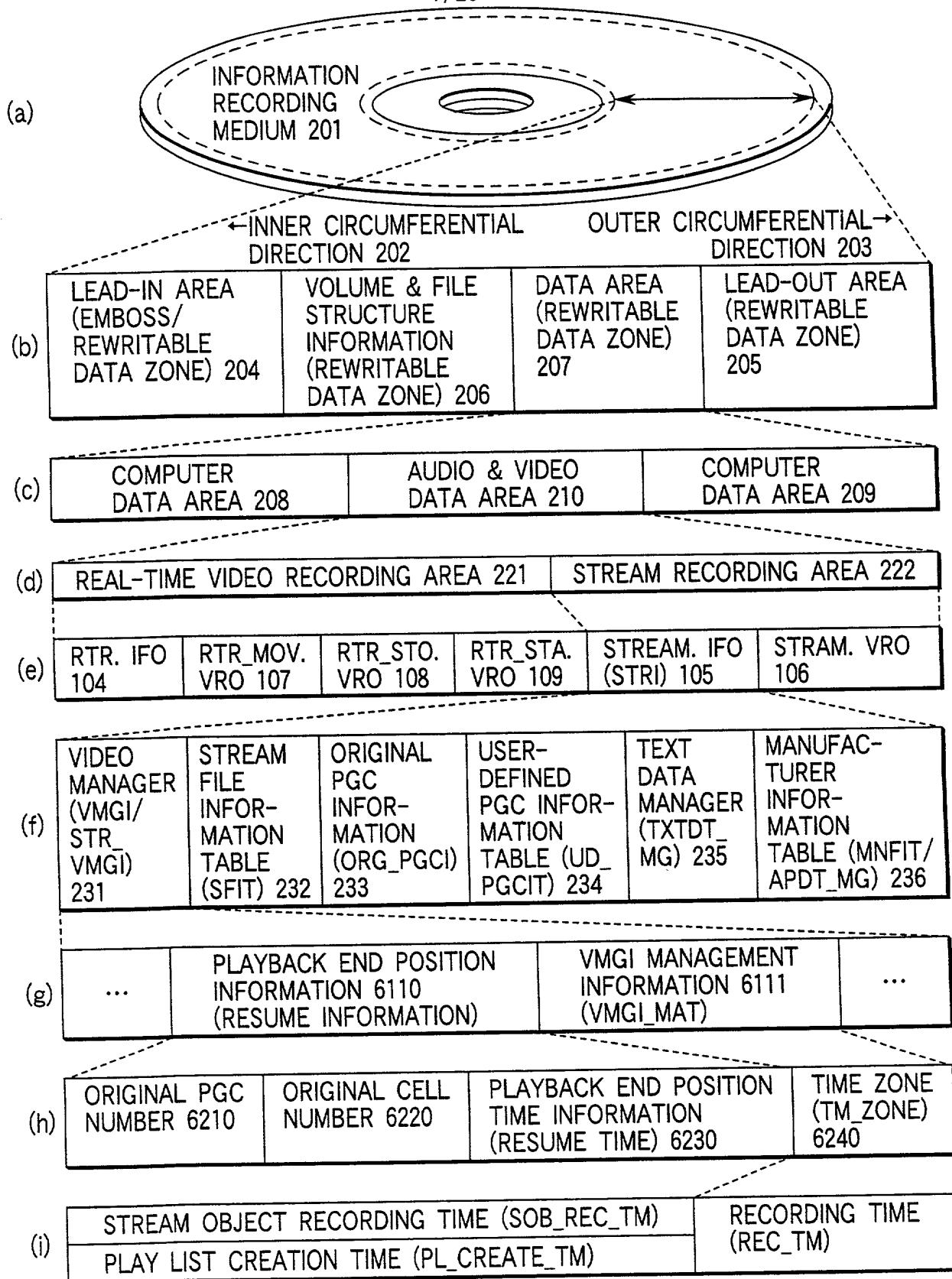


FIG. 7

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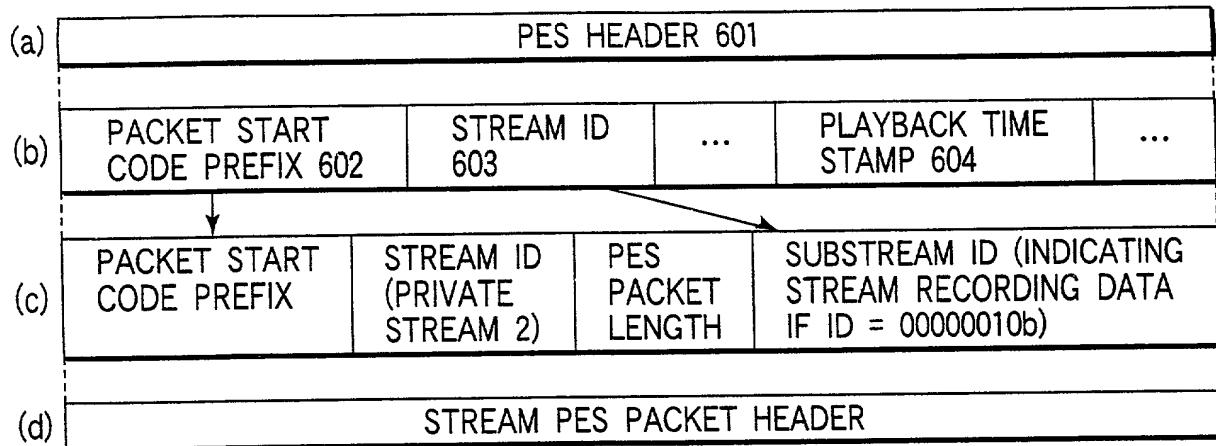


FIG. 8

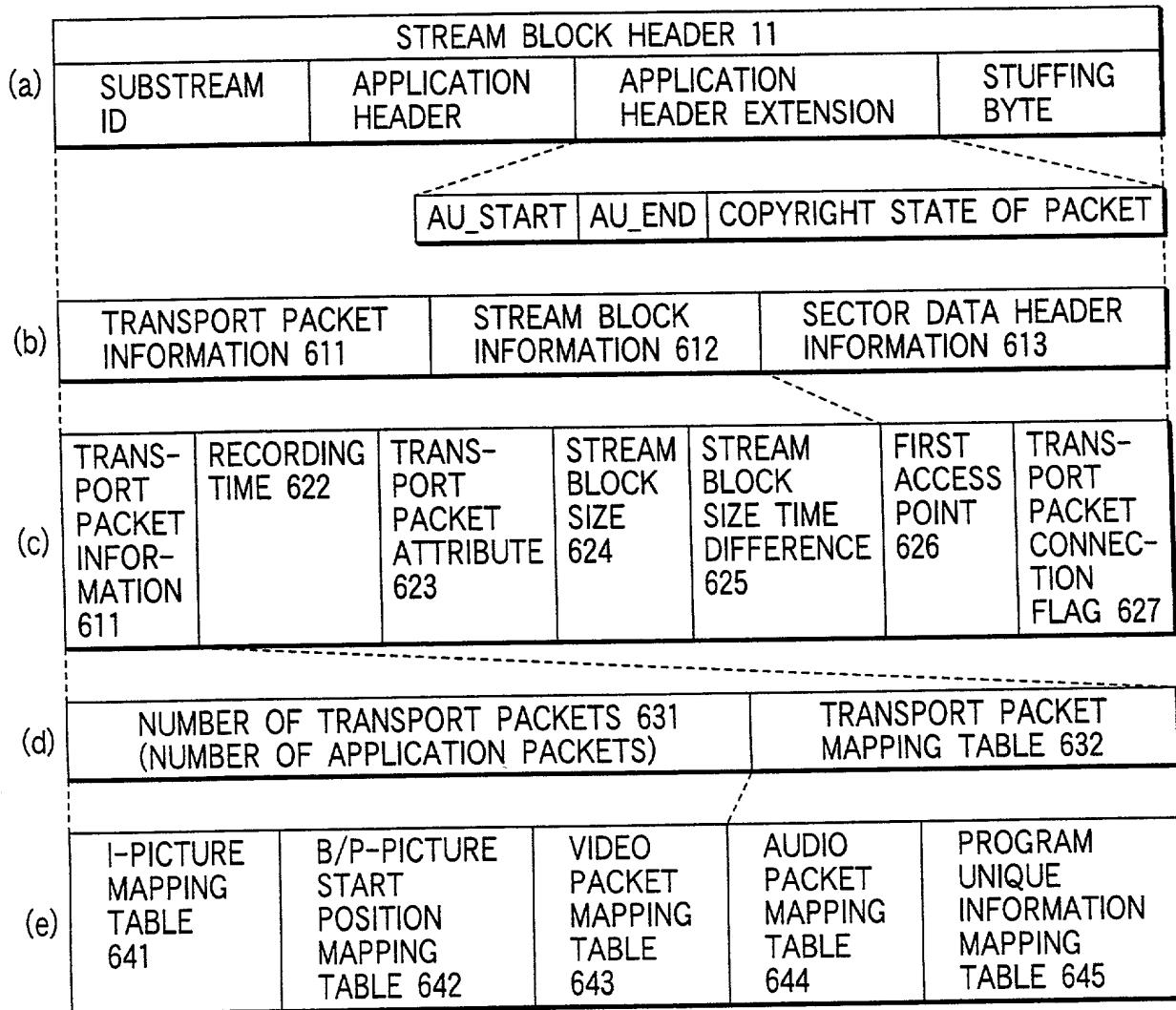


FIG. 9

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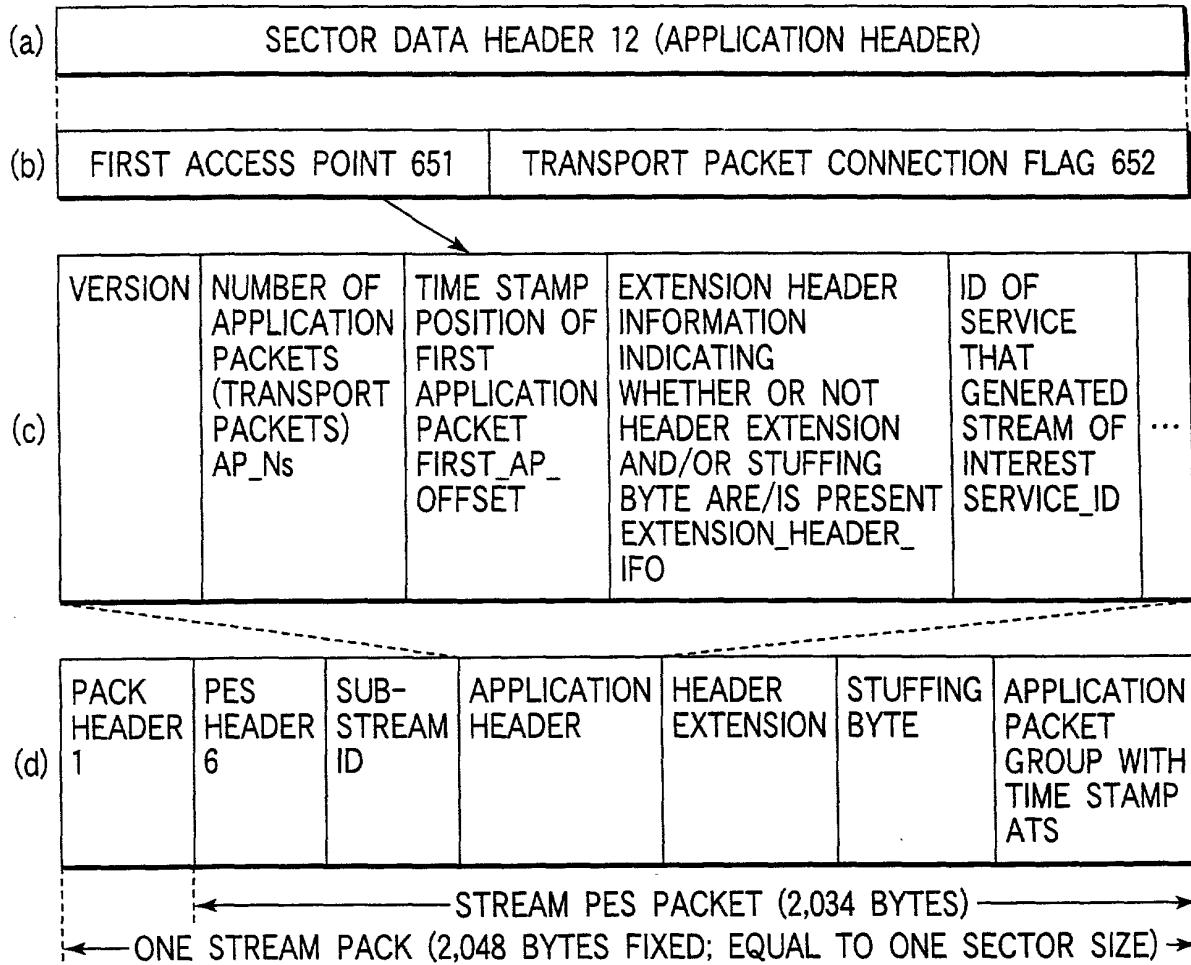


FIG. 10

	FIRST STREAM BLOCK	SECOND STREAM BLOCK
STREAM BLOCK SIZE	FIRST STREAM BLOCK SIZE 262	SECOND STREAM BLOCK SIZE 264
STREAM BLOCK TIME DIFFERENCE	FIRST STREAM BLOCK TIME DIFFERENCE 263	SECOND STREAM BLOCK TIME DIFFERENCE 265
NUMBER OF PACKETS (AP_Ns)	335	328

FIG. 11

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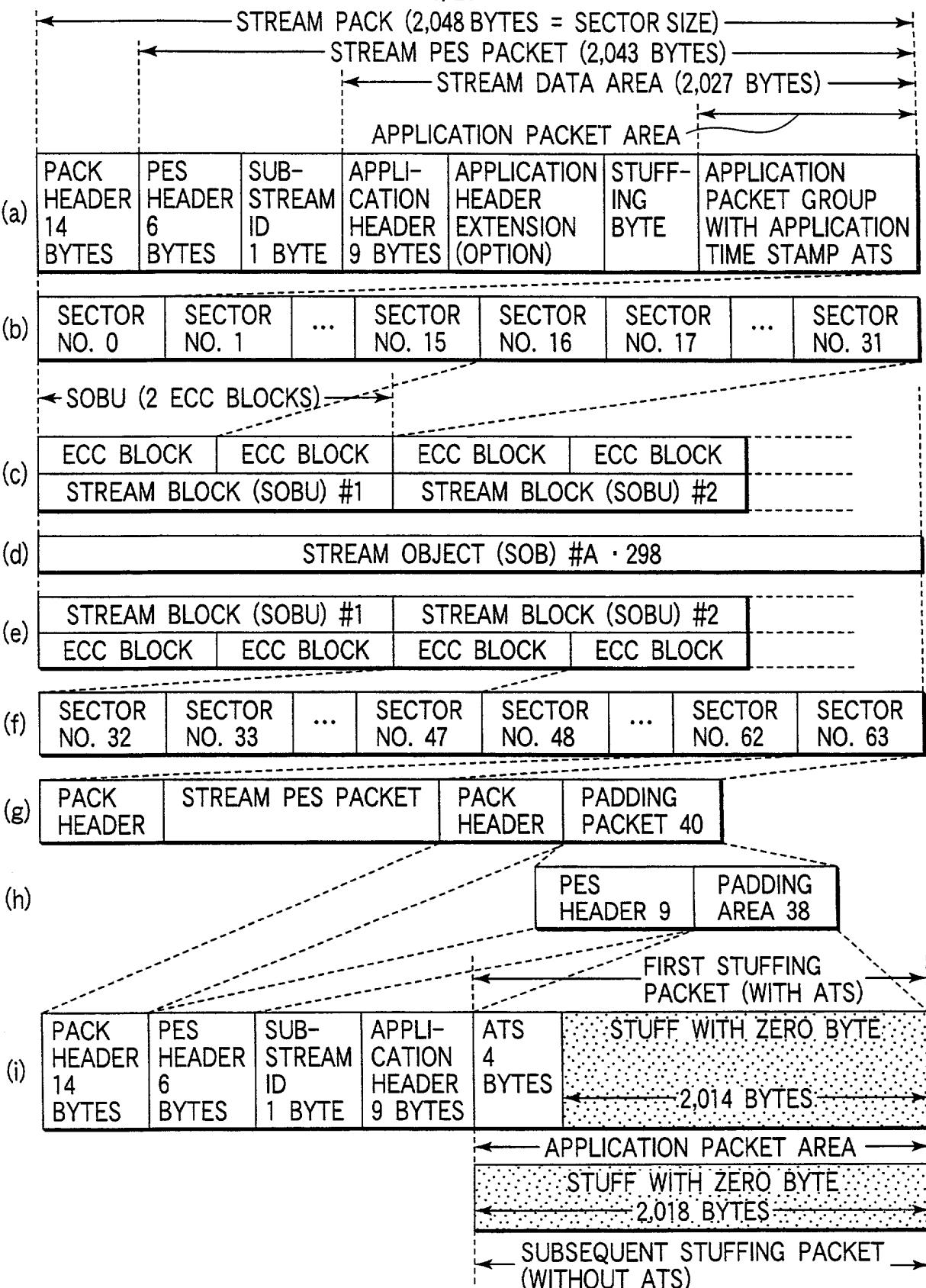


FIG. 12

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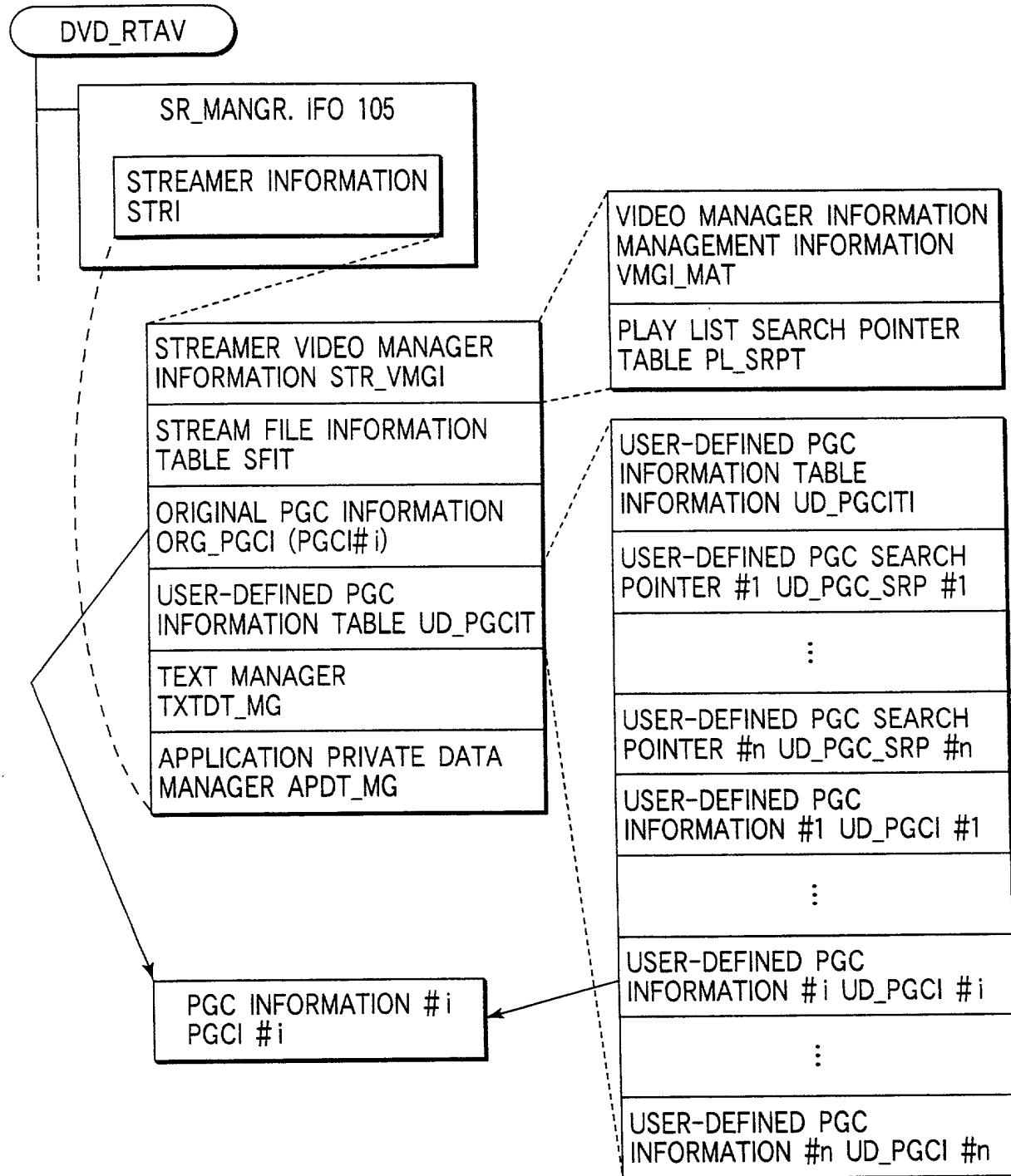


FIG. 13

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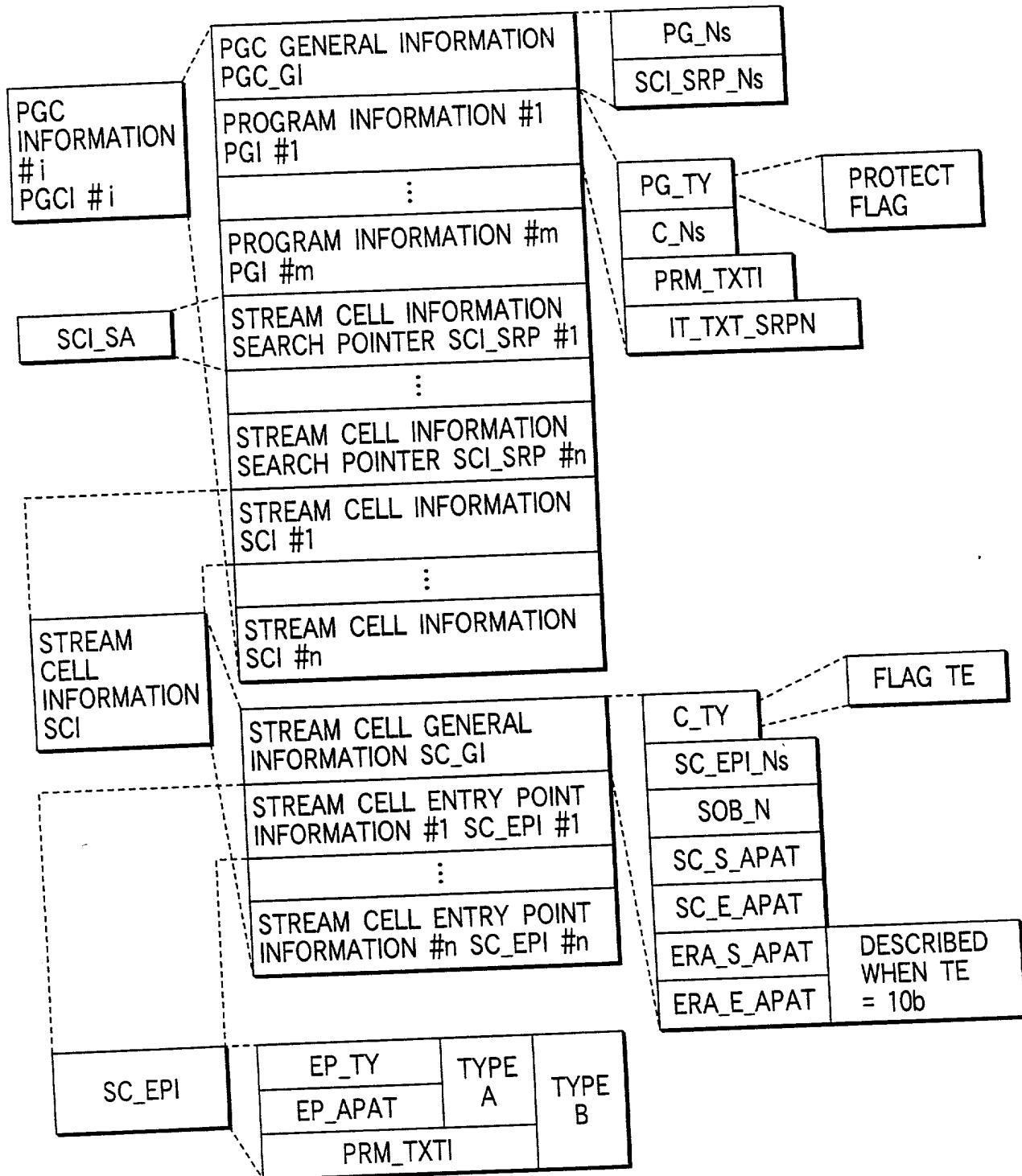


FIG. 14

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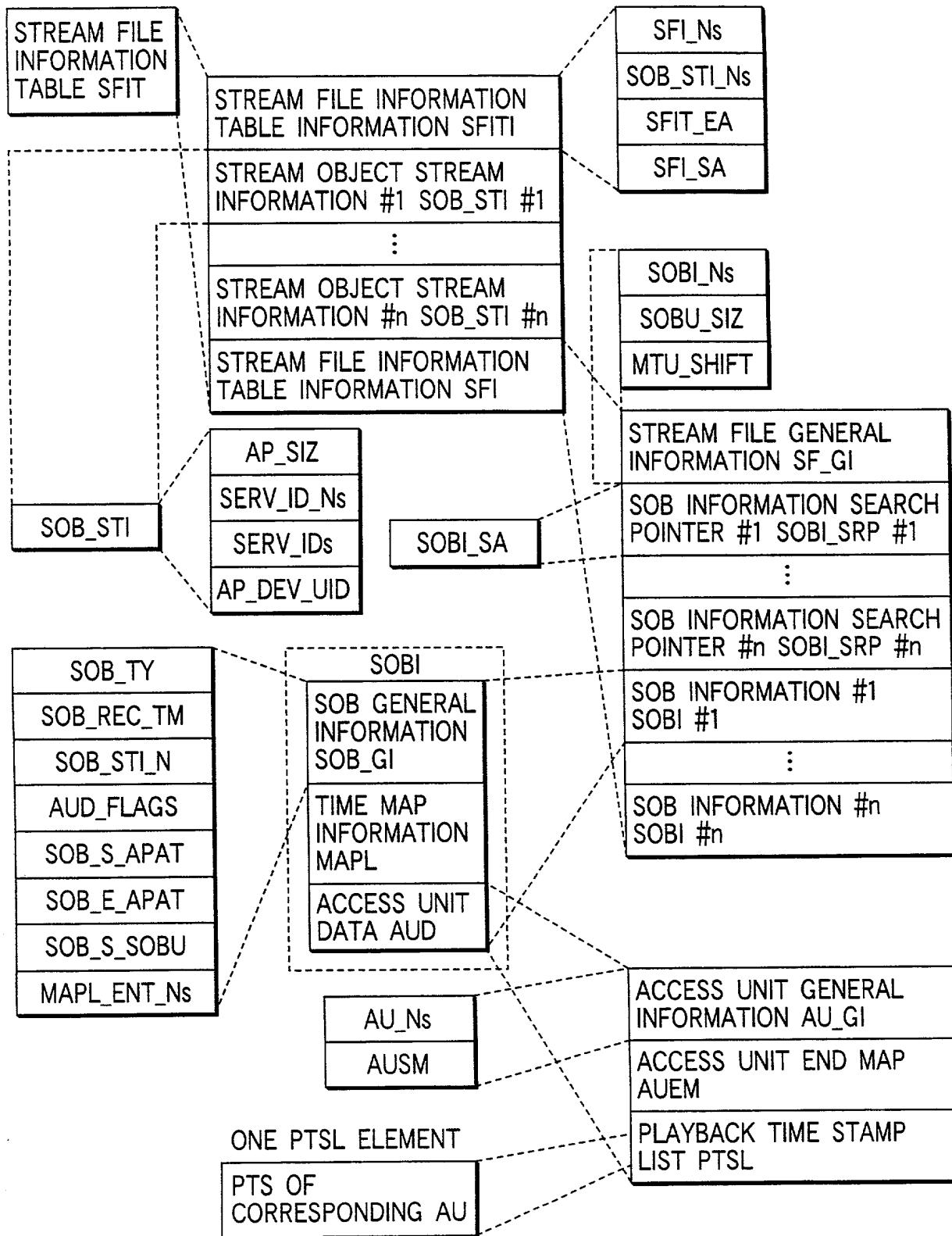


FIG. 15

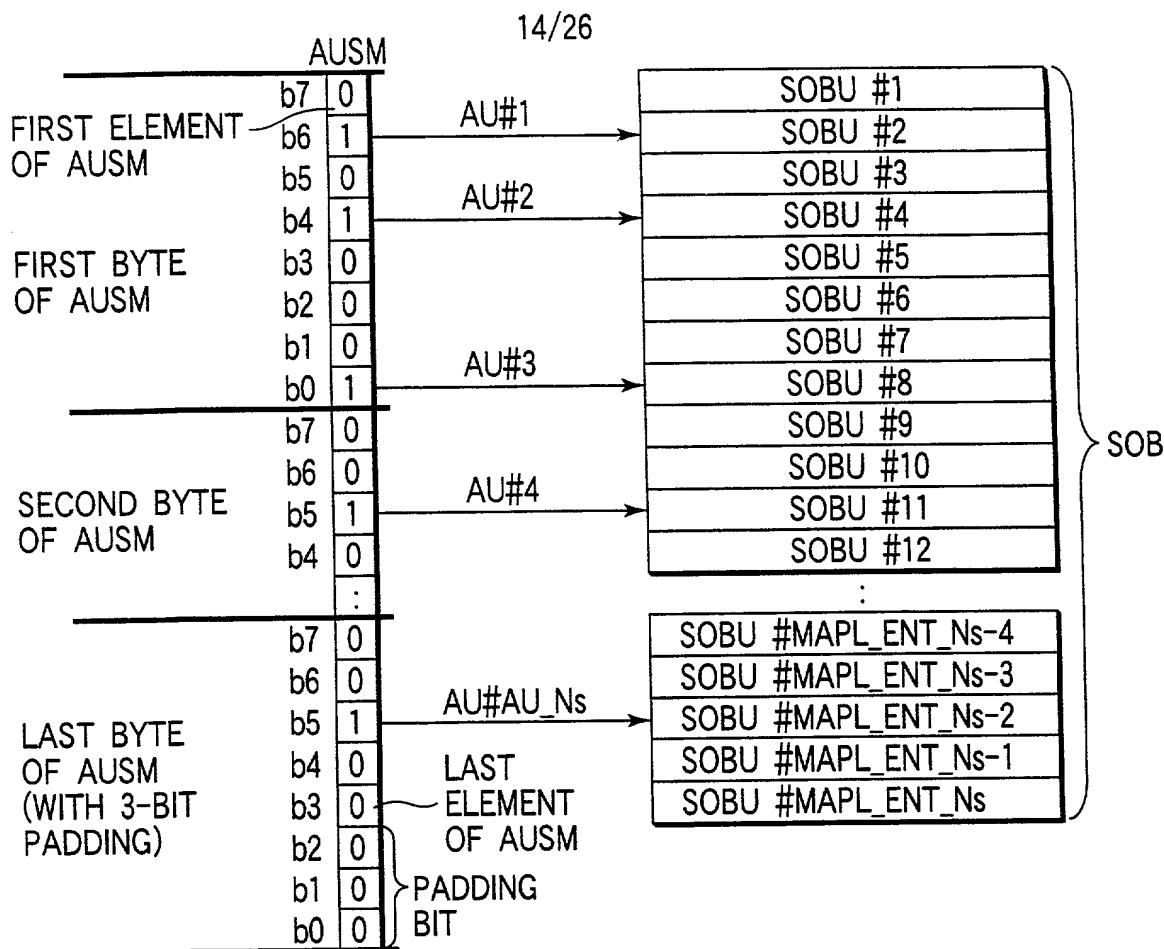


FIG. 16

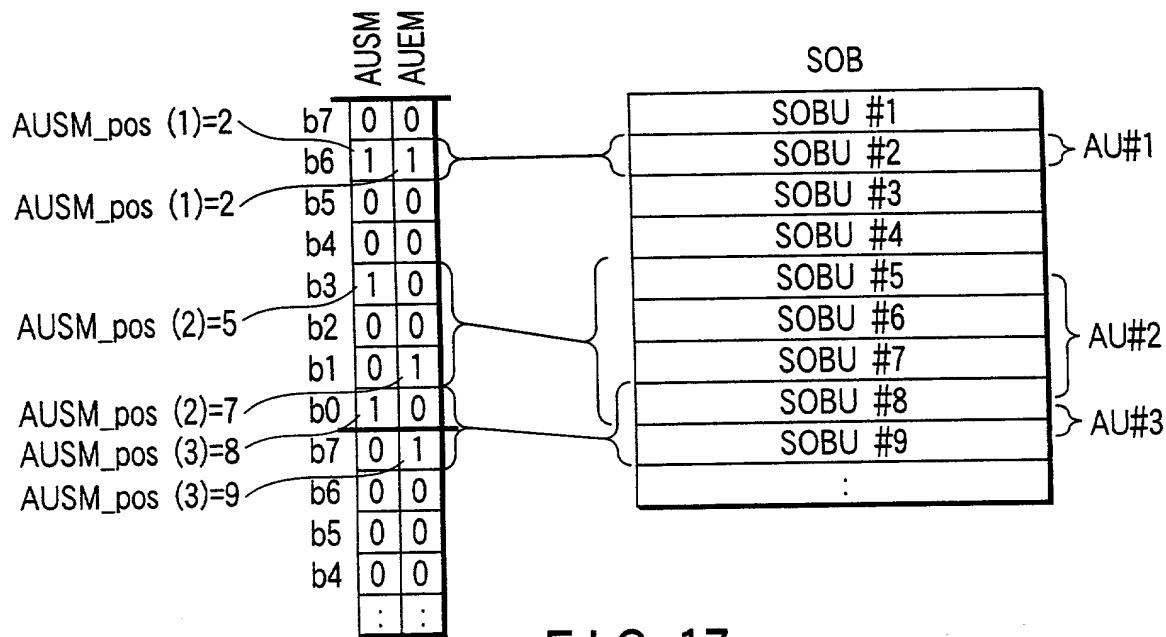


FIG. 17

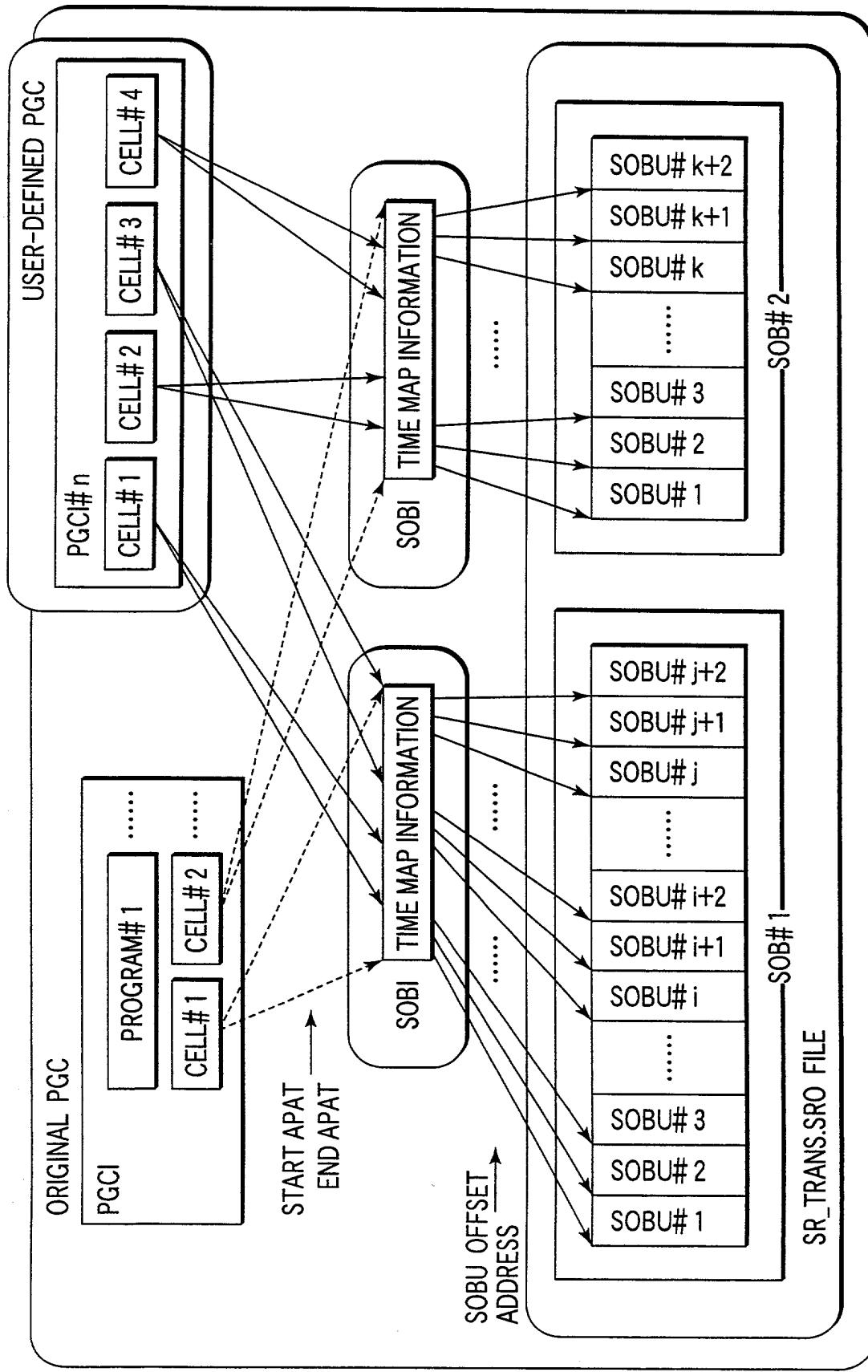


FIG. 18

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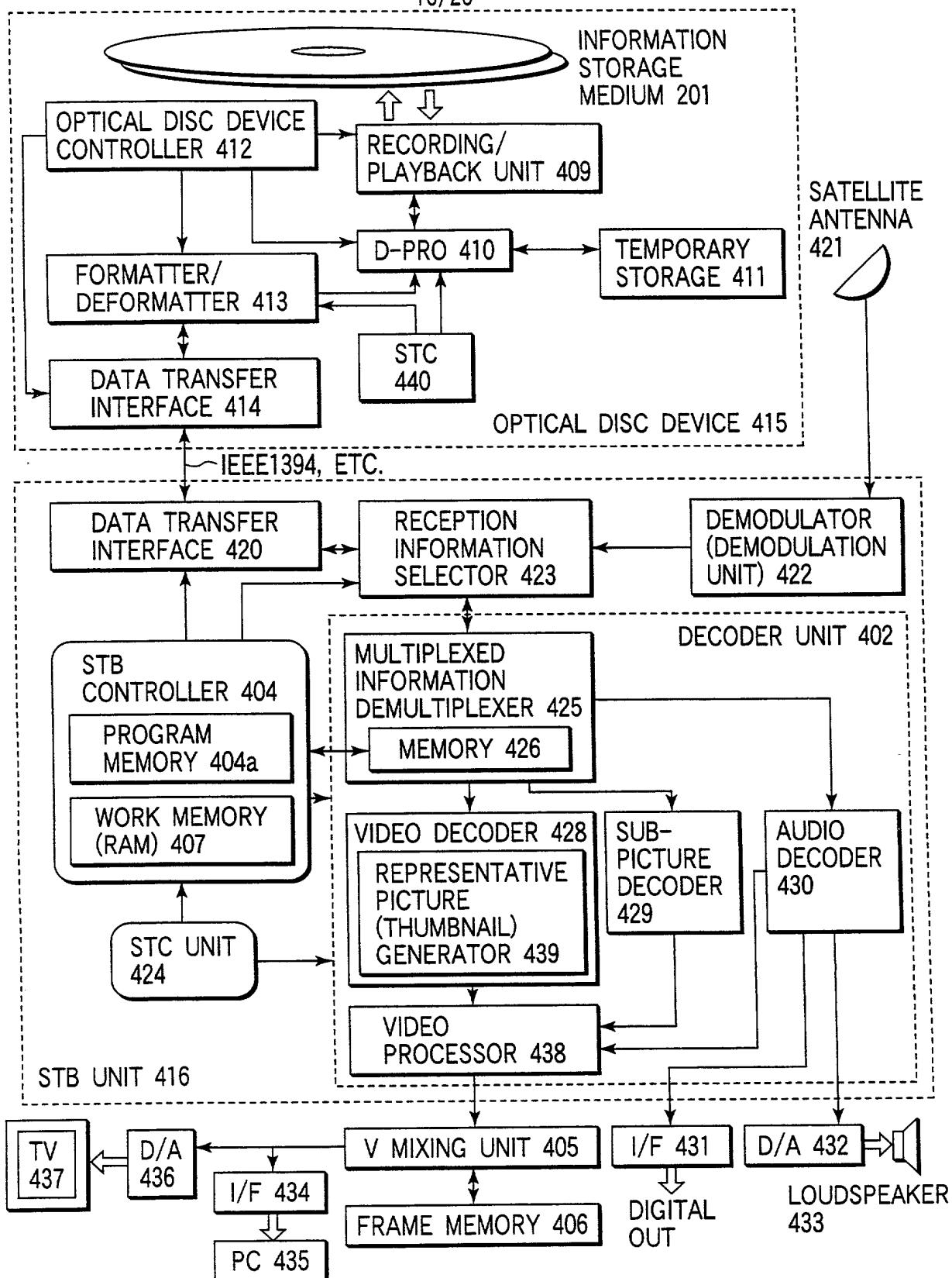
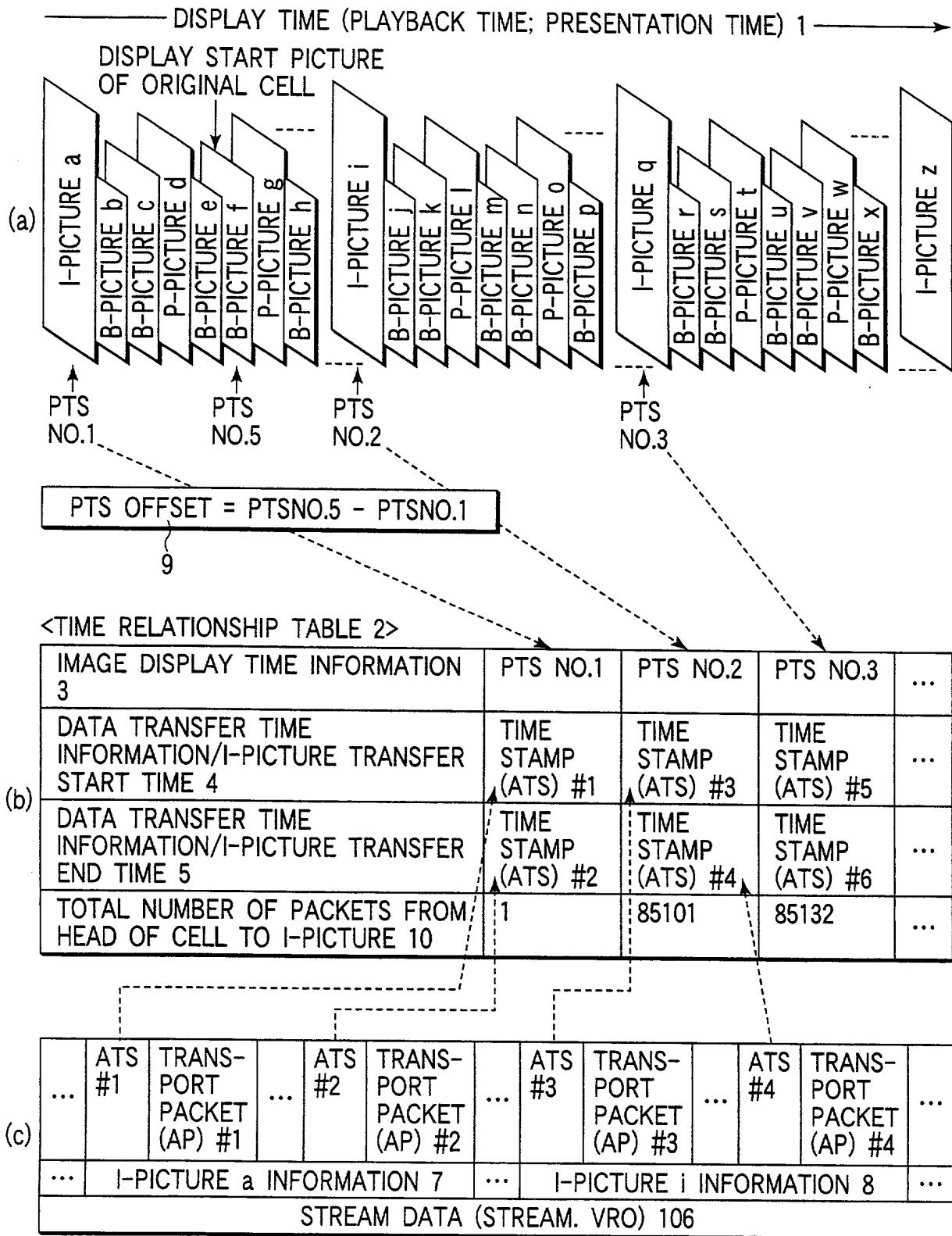


FIG. 19

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F I G. 20

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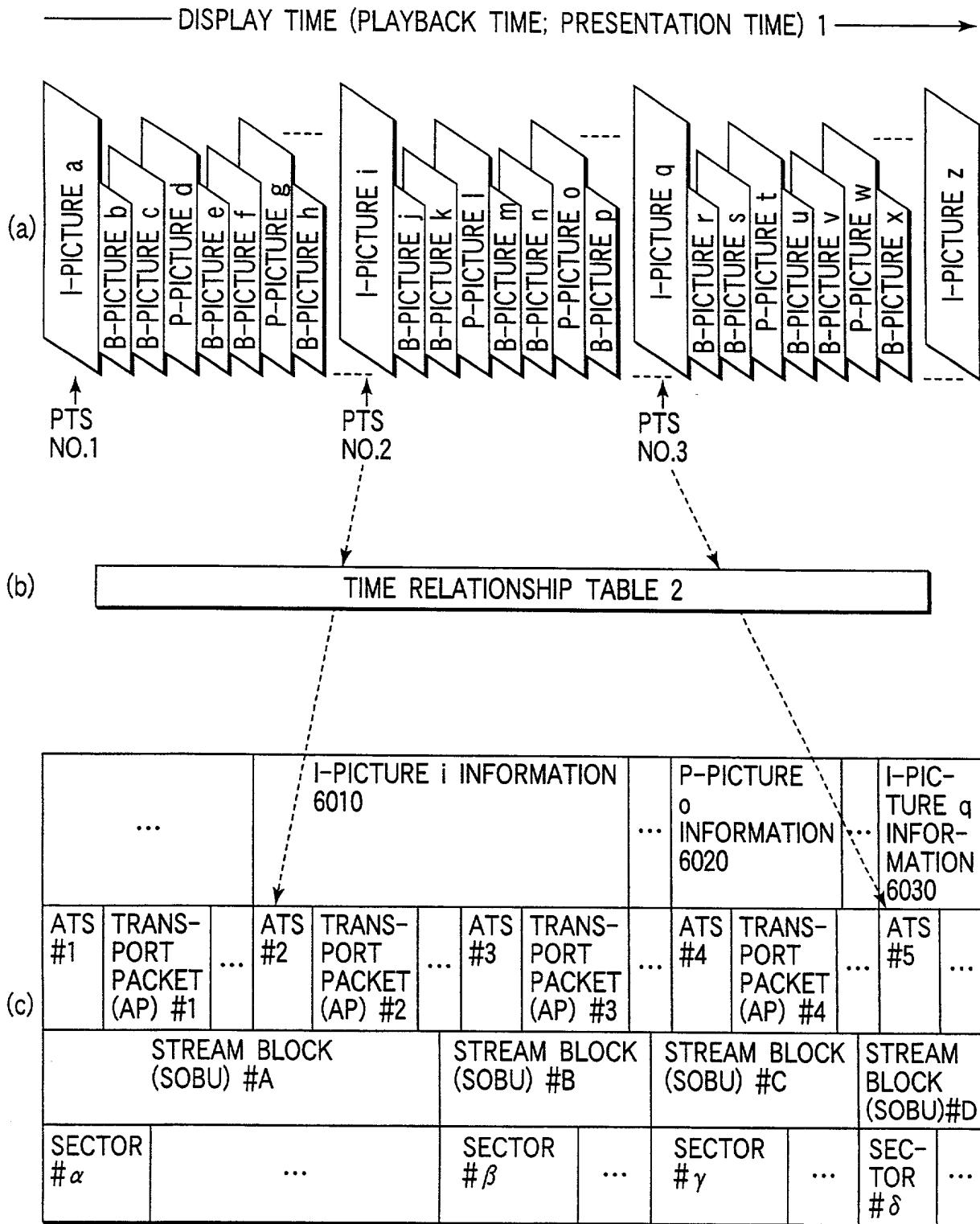


FIG. 21

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VIDEO PLAYBACK TIME

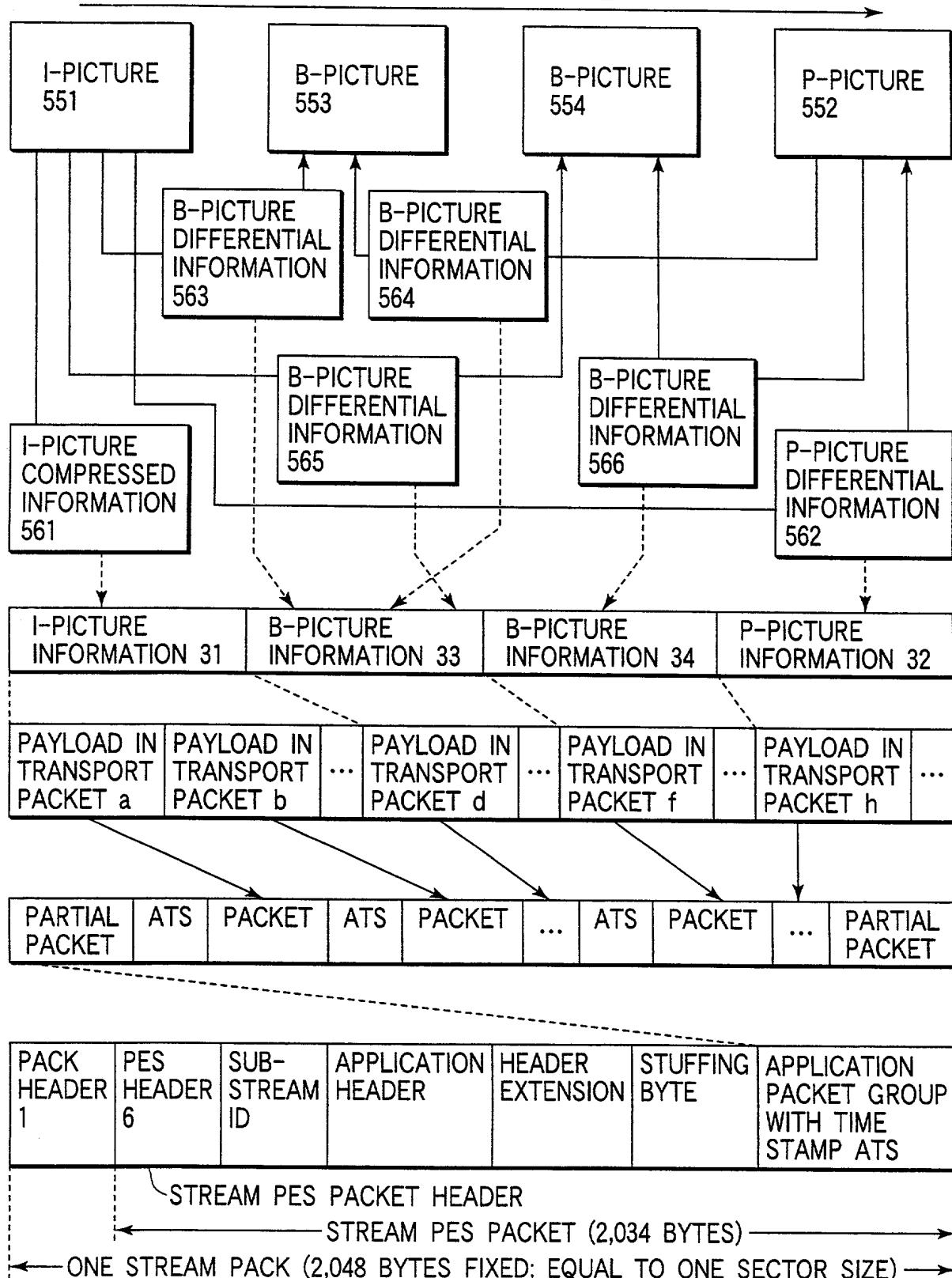


FIG. 22

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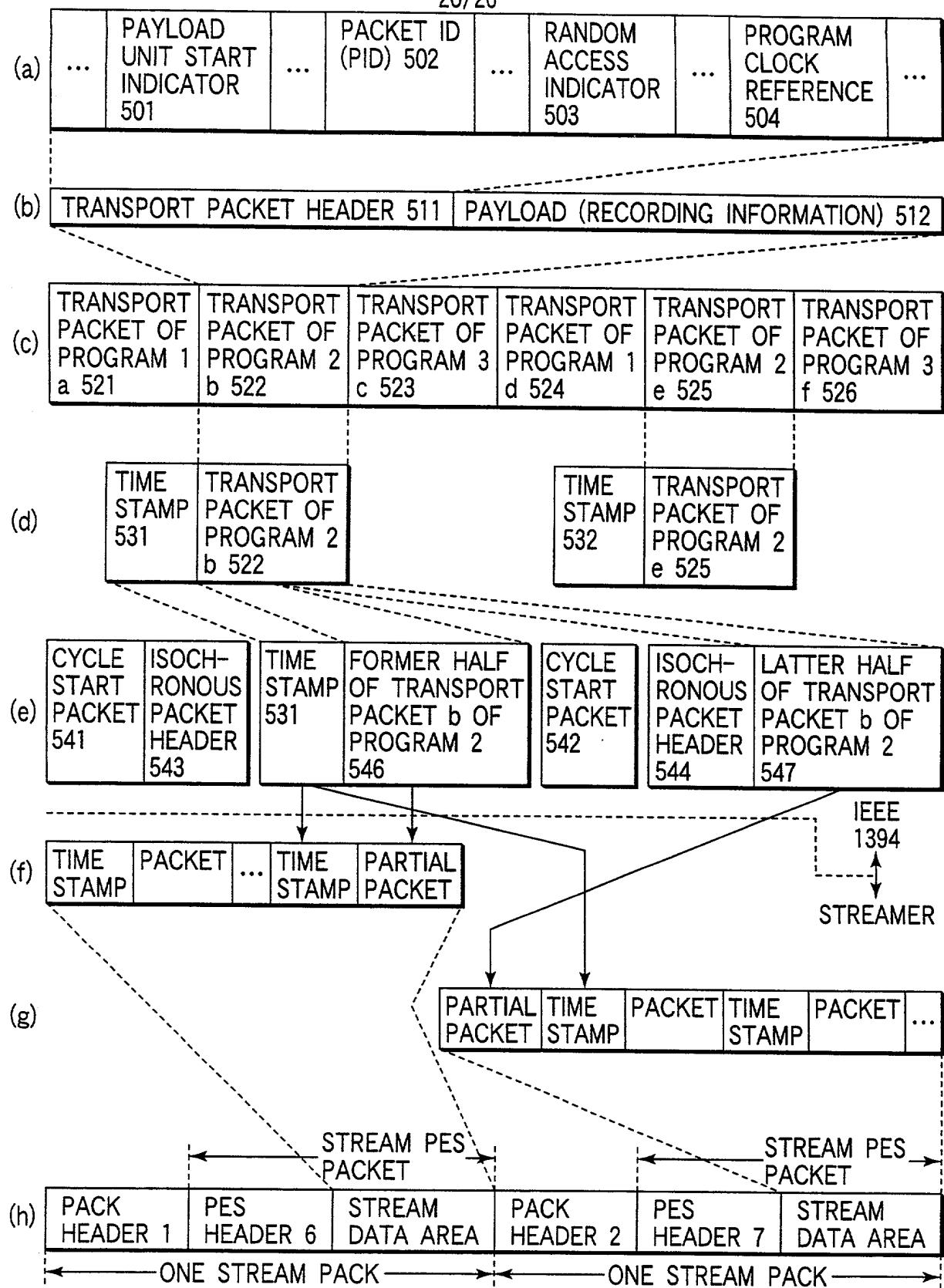


FIG. 23

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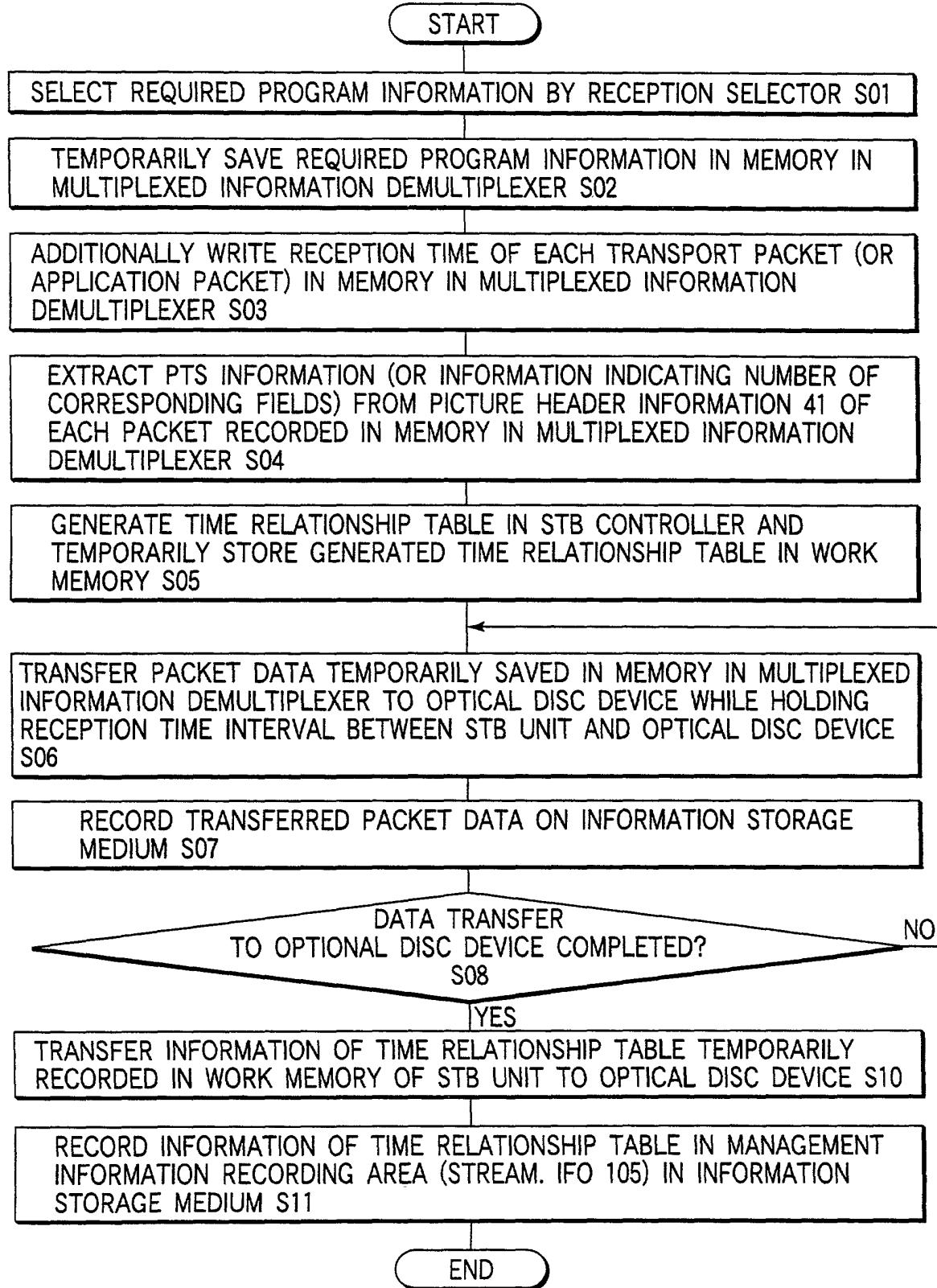


FIG. 24

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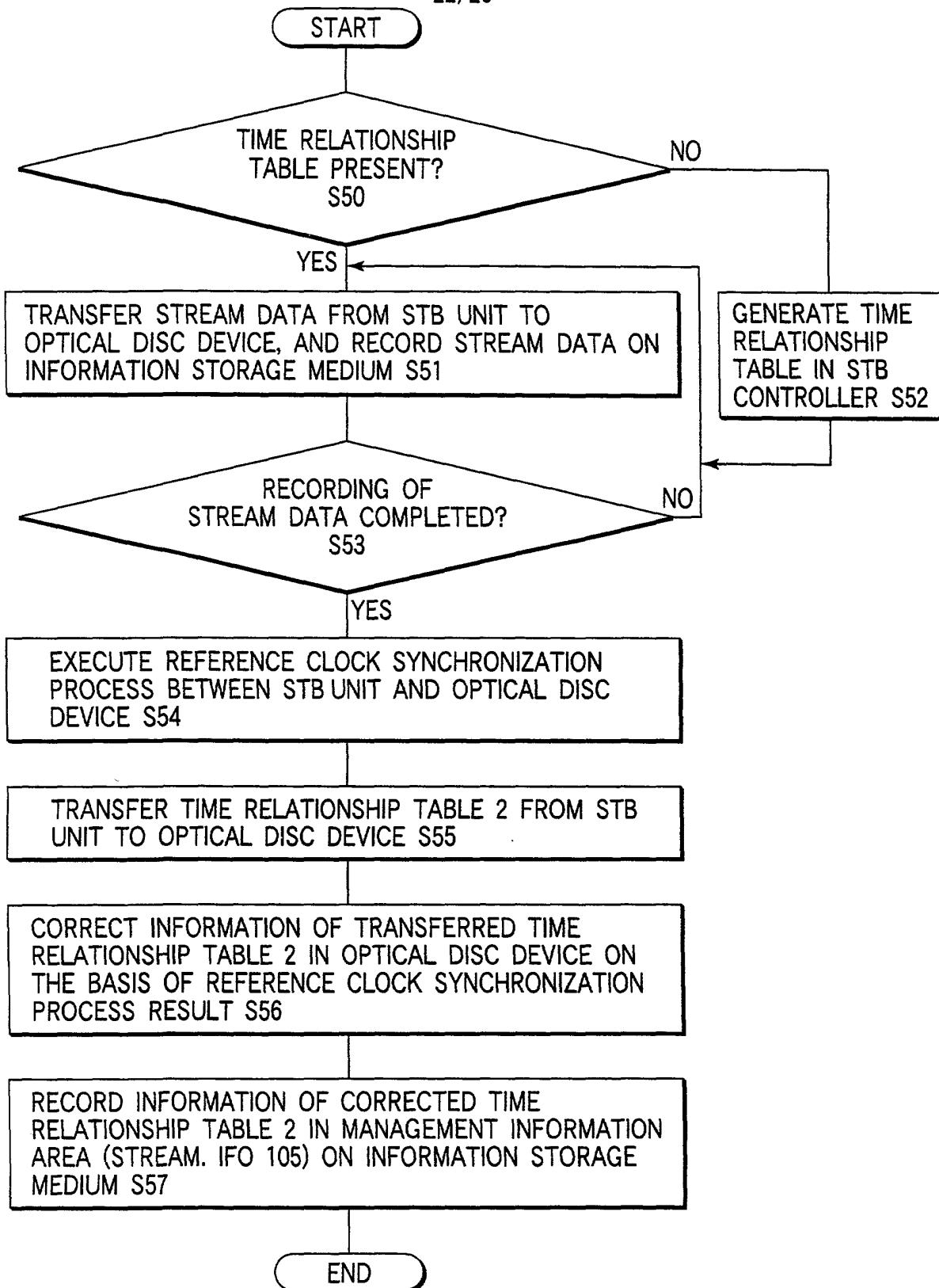


FIG. 25

START 23/26

RECEIVE PLAYBACK START TIME INFORMATION AND PLAYBACK END TIME INFORMATION S21

READ TIME RELATIONSHIP TABLE 2 OF ORIGINAL CELL INFORMATION 272 CORRESPONDING TO PLAYBACK START POSITION OF INTEREST FROM MANAGEMENT INFORMATION RECORDING AREA (STREAM. IFO 105) IN INFORMATION STORAGE MEDIUM, AND TEMPORARILY STORE READ TABLE IN WORK MEMORY IN STB CONTROLLER S22

READ TIME MAP INFORMATION 252 OF STREAM OBJECT INFORMATION (SOBI) 242 CORRESPONDING TO PLAYBACK START POSITION OF INTEREST, AND TEMPORARILY STORE READ INFORMATION IN WORK MEMORY IN STB CONTROLLER S23

CHECK DIFFERENCE BETWEEN DISPLAY START TIME OF ORIGINAL CELL OF INTEREST AND DISPLAY TIME OF IMMEDIATELY PRECEDING I-PICUTURE α FROM VALUE OF PTS OFFSET 9 S24

CHECK POSITION OF I-PICTURE WHICH IS LOCATED IMMEDIATELY BEFORE PLAYBACK START TIME DESIGNATED FROM TIME RELATIONSHIP TABLE 2 S25

CHECK VALUE OF TIME STAMP #2 OF I-PICTURE i OF INTEREST FROM TIME RELATIONSHIP TABLE 2 S26

CHECK STREAM BLOCK (SOBU) # A THAT INCLUDES TIME STAMP #2 OF I-PICTURE i OF INTEREST FROM TIME MAP INFORMATION 252, AND THEN CHECK ADDRESS OF FIRST SECTOR # α OF THAT STREAM BLOCK S27

INFORM OPTICAL DISC DEVICE OF ADDRESS OF SECTOR # α OF INTEREST TO MAKE OPTICAL DISC DEVICE ACCESS PREDETERMINED LOCATION OF INFORMATION STORAGE MEDIUM, AND START PLAYBACK S28

STB CONTROLLER INFORMS DECODER UNIT OF INFORMATION OF PTS NO. 6 INDICATING DISPLAY START TIME S29

OPTICAL DISC DEVICE PLAYS BACK INFORMATION FROM HEAD OF STREAM BLOCK (SOBU) # A AND TRANSFERS IT TO MEMORY IN DECODER UNIT S30

READ PICTURE IDENTIFICATION INFORMATION 52 FROM MEMORY IN DECODER UNIT, AND DISCARD (OR IGNORE) DATA BEFORE INPUT I-PICTURE S31

START DECODING FROM HEAD POSITION OF I-PICTURE i , AND START DISPLAY FROM POSITION OF DESIGNATED PTS NO. 6 S32

REPEAT SAME PROCESSES AS IN STEPS S24 TO S28 TO CHECK ADDRESS ON INFORMATION STORAGE MEDIUM CORRESPONDING TO PLAYBACK END TIME, AND PROCEED WITH PLAYBACK UNTIL END ADDRESS CORRESPONDING TO PLAYBACK END TIME S33

F I G. 26

END

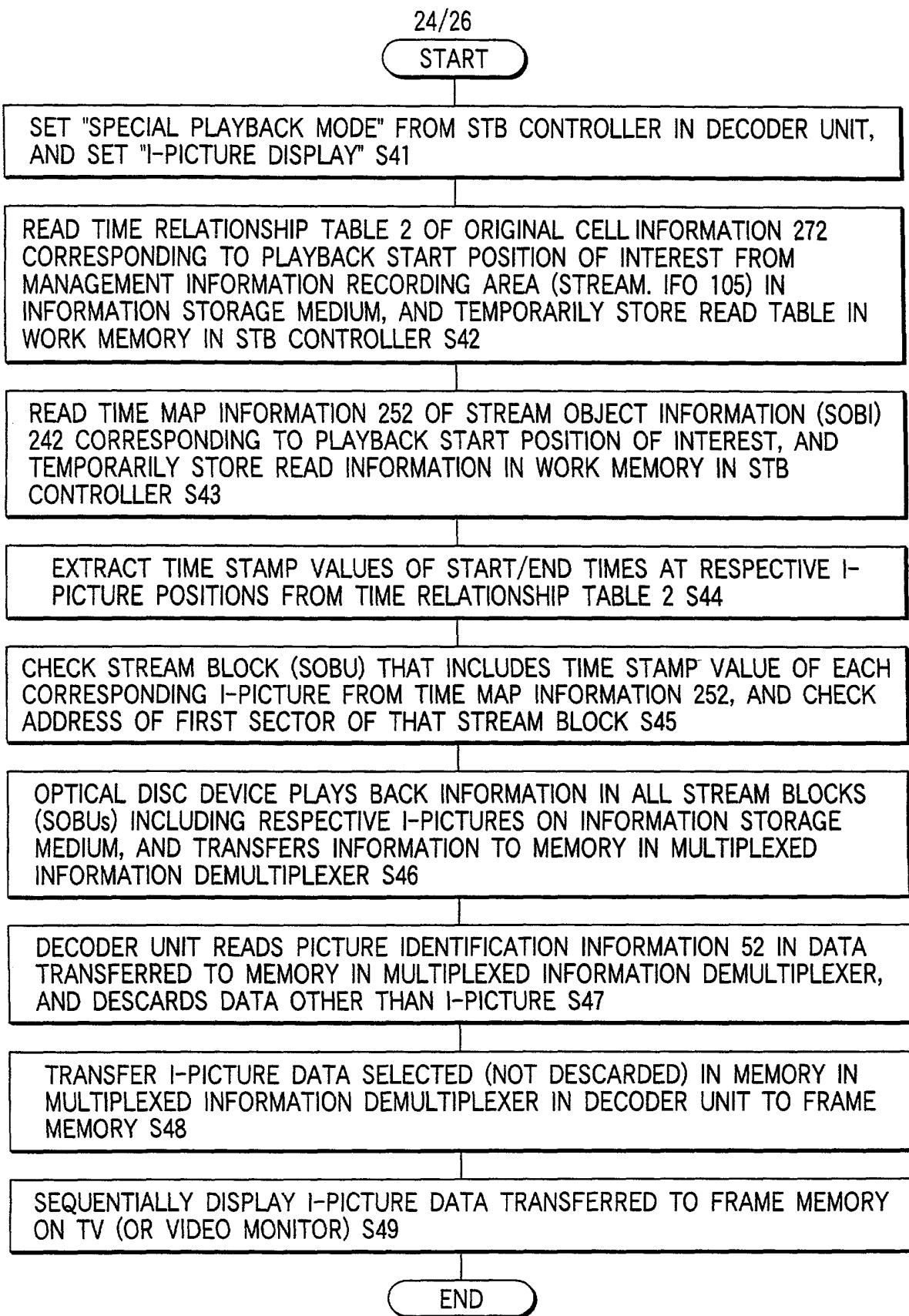
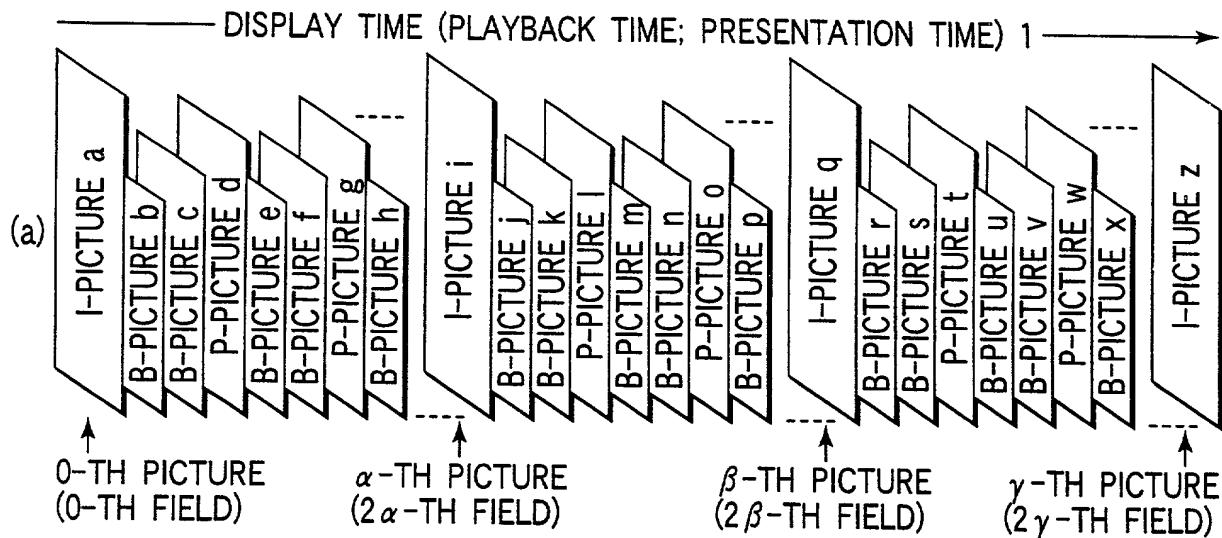


FIG. 27

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...	I-PICTURE a INFORMATION 6040	...	I-PICTURE i INFORMATION 6010	...	I-PICTURE q INFORMATION 6030	...	I-PICTURE z INFORMATION 6050
GOP#1		GOP#2		GOP#3		GOP#4	
STREAM BLOCK (SOBU) NO.0	STREAM BLOCK (SOBU) NO.1	...	STREAM BLOCK (SOBU) NO.4	...	STREAM BLOCK (SOBU) NO.10	...	STREAM BLOCK (SOBU) NO.15

GOP END MATCHING

NUMBER OF DISPLAY FIELDS IN GOP	2α	$2\beta-2\alpha$	$2\gamma-2\beta$...
NUMBER OF STREAM BLOCKS (SOBUs) OCCUPIED IN UNITS OF GOPs	5 (STREAM BLOCKS)	6 (STREAM BLOCKS)	5 (STREAM BLOCKS)	...
GOP END MATCHING FLAG	"0"	"1"	"0"	...
I-PICTURE SIZE IN GOP	30 SECTORS	28 SECTORS	32 SECTORS	...

FIG. 28

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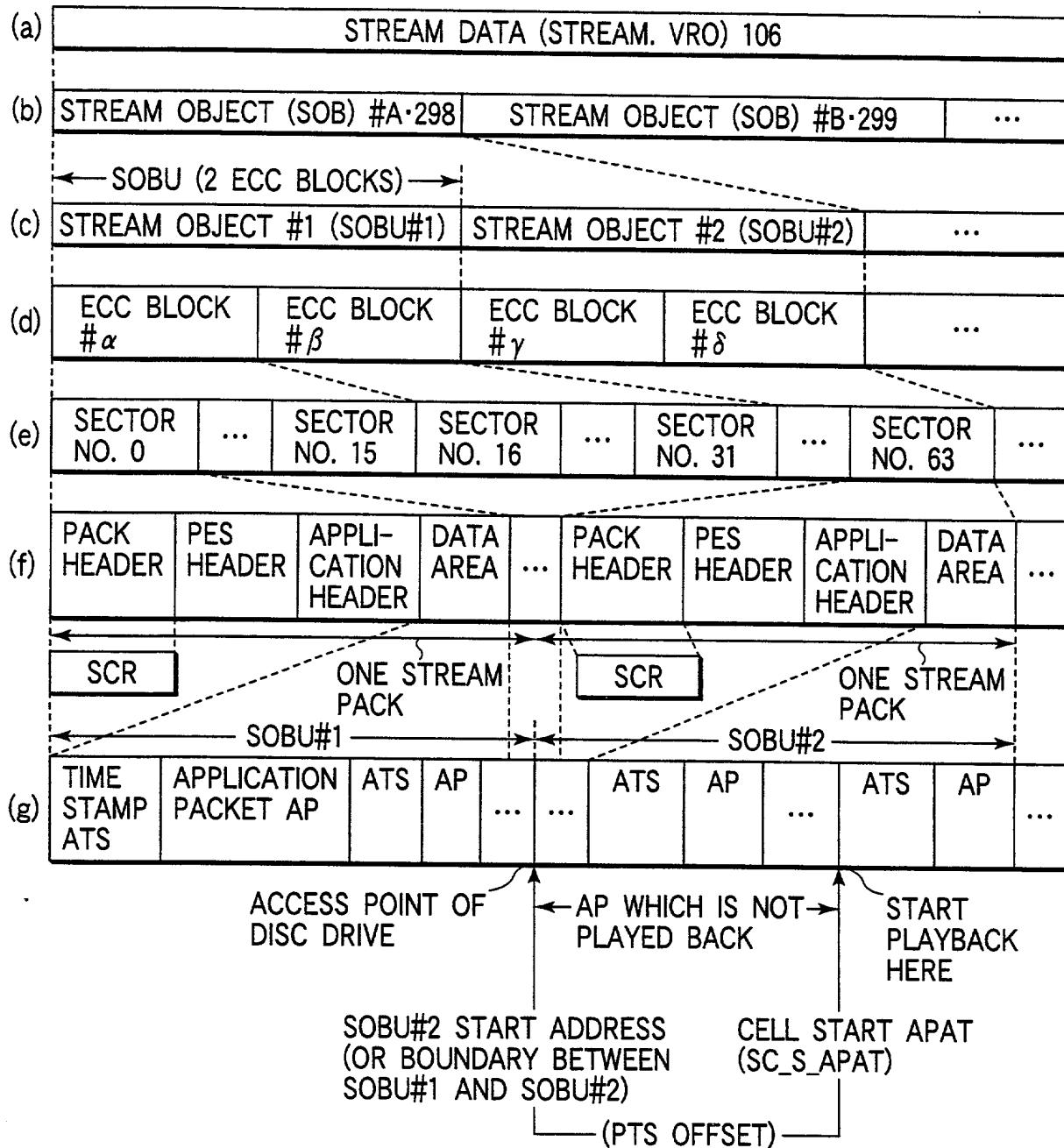


FIG. 29